

## On the theory of inelastic neutron scattering in the Pr 0.88LaCe0.12CuO4-x superconductor

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### Abstract

A formula for the dynamical spin susceptibility of electron-doped high-temperature superconductors has been derived with the inclusion of strong correlation between localized and itinerant electrons. It provides an explanation of the basic features of inelastic neutron scattering in Pr 0.88LaCe0.12CuO4-x with variation of the frequency and wave vector. © 2007 Pleiades Publishing, Ltd.

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